

CHN2 Antibody (Center)
Affinity Purified Rabbit Polyclonal Antibody (Pab)
Catalog # AP9489c**Specification**

CHN2 Antibody (Center) - Product Information

Primary Accession	P52757
Reactivity	Human
Host	Rabbit
Clonality	Polyclonal
Isotype	Rabbit IgG
Antigen Region	156-183

CHN2 Antibody (Center) - Additional Information**Gene ID** 1124**Other Names**

Beta-chimaerin, Beta-chimerin, Rho GTPase-activating protein 3, CHN2, ARHGAP3, BCH

Target/Specificity

This CHN2 antibody is generated from rabbits immunized with a KLH conjugated synthetic peptide between 156-183 amino acids from the Central region of human CHN2.

Format

Purified polyclonal antibody supplied in PBS with 0.09% (W/V) sodium azide. This antibody is purified through a protein A column, followed by peptide affinity purification.

Storage

Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.

Precautions

CHN2 Antibody (Center) is for research use only and not for use in diagnostic or therapeutic procedures.

CHN2 Antibody (Center) - Protein Information**Name** CHN2**Synonyms** ARHGAP3, BCH

Function GTPase-activating protein for p21-rac. Insufficient expression of beta-2 chimaerin is expected to lead to higher Rac activity and could therefore play a role in the progression from low-grade to high-grade tumors.

Cellular Location

Membrane; Peripheral membrane protein

Tissue Location

Highest levels in the brain and pancreas. Also expressed in the heart, placenta, and weakly in the kidney and liver Expression is much reduced in the malignant gliomas, compared to normal brain or low-grade astrocytomas

CHN2 Antibody (Center) - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

CHN2 Antibody (Center) - Images**CHN2 Antibody (Center) - Background**

This gene is a member of the chimerin family and encodes a protein with a phorbol-ester/DAG-type zinc finger, a Rho-GAP domain and an SH2 domain. This protein has GTPase-activating protein activity that is regulated by phospholipid binding and binding of diacylglycerol (DAG) induces translocation of the protein from the cytosol to the Golgi apparatus membrane. The protein plays a role in the proliferation and migration of smooth muscle cells. Decreased expression of this gene is associated with high-grade gliomas and breast tumors, and increased expression of this gene is associated with lymphomas. Mutations in this gene have been associated with schizophrenia in men. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

CHN2 Antibody (Center) - References

Takefuji, M., et al. J. Hum. Genet. 55(1):42-49(2010)
Suliman, S.G., et al. Diabetes 58(12):2954-2961(2009)
Siliceo, M., et al. J. Biol. Chem. 284(17):11354-11363(2009)